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(21) International Application Number: PCT/US96/10257 (22) International Filing Date: 7 June 1996 (07.06.96) (30) Priority Data: 08/489,172 9 June 1995 (09.06.95) US (71) Applicant: THE DICE COMPANY [US/US]; P.O. Box 60471, Palo Alto, CA 94306-0471 (US). (72) Inventors: COOPERMAN, Marc, S.; 2929 Ramona, Palo Alto, CA 94306 (US). MOSKOWITZ, Scott, A.; Townhouse 4, 20191 East Country Club Drive, North Miami Beach, FL 33180 (US). (74) Agents: ALTMILLER, John, C. et al.; Kenyon & Kenyon, 1025 Connecticut Avenue, N.W., Washington, DC 20036 (US).		(81) Designated States: CA, CN, FI, JP, KR, SG, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 13 February 1997 (13.02.97)
(54) Title: STEGANOGRAPHIC METHOD AND DEVICE (57) Abstract An apparatus and method for encoding and decoding additional information into a stream of digitized samples in an integral manner. The information is encoded using special keys. The information is contained in the samples, not prepended or appended to the sample stream. The method makes it extremely difficult to find the information in the samples if the proper keys are not possessed by the decoder. The method does not cause a significant degradation to the sample stream. The method is used to establish ownership of copyrighted digital multimedia content and provide a disincentive to piracy of such material.		

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INTERNATIONAL SEARCH REPORT

 International application No.
 PCT/US96/10257
A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) :H04L 9/00

US CL :380/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 380/28; 340/825.34, 4, 23

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US, A, 4,908,873 (PHILIBERT et al) 13 MARCH 1990, See col. 5, lines 1-25.	1-32
A	US,A, 4,979,210 (NAGATA et al) 18 DECEMBER 1990, See Fig. 13.	1-32
A	US,A, 5,073,925 (NAGATA et al) 17 DECEMBER 1991, See Fig. 1.	1-32
A	US,A, 5,287,407 (HOLMES) 15 FEBRUARY 1994, See Fig. 1.	1-32
A	US,A, 5,365,586 (INDECK et al) 15 NOVEMBER 1994, See cols. 3 and 4.	1-32
A	US,A, 5,408,505 (INDECK et al) 18 APRIL 1995, See Fig. 4.	1-32

☒ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US96/10257

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US,A, 5,412,718 (NARASIMHALU et al) 02 MAY 1995, See Figs. 6A-6C	1-32